

## Product datasheet for **SC321889**

### **NUP62 (NM\_153718) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NUP62 (NM_153718) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUP62
Synonyms:	IBSN; p62; SNDI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

```
>OriGene sequence for NM_153718.2
CGAGCTGCGAAAGGGCGGGAAAGGCAGTTGGAGAAGAGGTAAGCGGTTACTCACTCCATG
GCTGCAGCAAGGAGAGGGCGGGCGGCCTCGGCTGAAGAAAGAAGGTGGGAGCGGAGAGC
GCAGGCGTGAAATCTTCCAAGGCTGCAGACACCGACGGATTTGCTTTGGGAGCCAGAGT
AGCTGCCGCCACCAGAGTCCGGAGCCATGAGCGGGTTAATTTTGGAGGCACTGGGGCCC
CTACAGGCGGGTTCACGTTTGGCACTGCAAAGACGGCAACAACCCACACCTGCTACAGGTT
TTTCTTTCTCCACTCTGGCACTGGAGGGTTTAATTTTGGGGCTCCCTTCCAACCCAGCCA
CAAGTACCCCTTCCACCGCCTGTTCTCACTTGCCACCCAGACTCCGGCCACACAGACGA
CAGGCTTCACTTTTGAACAGCGACTCTTGCTTCGGGGGAACTGGATTTCTTTGGGGA
TCGGTGTCTCAAAGCTCAACTTGAGCAACACAGCTGCCACCCAGCCATGGCAAACCCCA
GCGGCTTTGGGCTGGGCAGCAGCAACCTCACTAATGCCATATCGAGCACCGTCACCTCCA
GCCAGGGCACAGCACCCACCGGCTTTGTGTTGGCCCTCCACCACCTCTGTGGCTCCAG
CTACCACATCTGGAGGCTTCTATTCACTGGTGAAGCACGGCCAAACCTCCGGTTTCA
ACATTGGCTCAGCAGGAATTCAGCCCAGCCCACGGCACCTGCCACGTTGCCCTTCACTC
CGGCCACGCCAGCAGCCACCACAGCAGGTGCCACACAGCCAGCTGCTCCACACCACAG
CCACCATCACCAGCACTGGGCCAGCCTTTTGGGTCAATAGCAACTGCTCCAACCTCAT
CTGCCACCACTGGACTCTCCCTCTGTACCCCTGTGACCACAGCGGGCGCCCCACTGCTG
GGACACAGGGCTTCAAGCTTAAAGGCACCTGGAGCAGTTCCGGCACCTCCACAACAACAT
CCACCGCTGCCACCGCCACCGCCACCACCAGCAGCAGCAGCACCACCGGCTTTGCTT
TGAATTTAAAACCACTGGCGCCAGCCGGGATCCCAGCAATACAGCAGCTGCCGTGACCG
CTCCACCTGGCCCTGGCGCAGCTGCAGGGGCGGCTGCCAGCTCCGCCATGACCTACGCGC
AGCTGGAGAGCCTGATCAACAAATGGAGCCTGGAGCTAGAGGACCAGGAGCGGCACTTCC
TCCAGCAGGCCACCCAGGTCAACGCCTGGGACCCGACGCTGATCGAGAATGGAGAAAAGA
TACCAGCCTGCACCGCAGGTTGAGAAGGTGAAGCTGGACCAGAAGAGGCTGGACAGG
AGCTCGACTTCATCCTGTCCCAGCAGAAGGAGCTGGAAGACCTGCTGAGCCCACTGGAGG
AGTTGGTCAAGGAGCAGAGCGGGACCATCTACCTGCAGCACGCGGATGAGGAGCGTGAGA
AAACCTACAAGCTGGCTGAGAACATCGACGCACAGCTCAAGCGCATGGCCCAGGATCTCA
AGGACATCATCGAGCACCTGAACACGTCCGGGGCCCCCGCCGACACCAGTGACCCACTGC
AGCAGATCTCAAGATCCTCAATGCGCACATGGACTCACTGCAGTGGATCGACCAGAACT
CGGCCCTGCTGCAGAGGAAGGTGGAGGAGGTGACCAAGGTGTGCGAGGGCCGGCGCAAGG
AGCAGGAGCGCAGCTTCCGGATCACCTTTGACTGAGCGACAGCAGCCCTGGGGCCCGCAG
GTCCCTAGGGAGTTCATGAGGGGAATGCCCCCTGTTGTCTGTAGTTTGGGTTGTGGCAA
GATACTTGTGTTGTTGTTCTTTCTTTTACATGACTGCCCTTGACATGATCGCTGTGTGC
TTTGCGTTTTTCCATTTAGGAGGGTATTCTGGCCTTCTGCCAGGCAGCAGCCTCATGG
GTGTGGCTTCTGTGGCTTTCATTTGAGTATCTTTGGCCCTTTTACCTACTGCGACCAC
CCACCTCATCCTGGCTCAGCCTGGTGATGGAGAAGTGCTGATGGTCTTGGTCCCAGCCAG
GGTCGTGGGGGACCCACTCTCTCAAAGCATAGTCATAGGTGTCATGAAAAAATACCAA
ATGTAAGAGAACCTCAAAGTCAGGGCGCAGTGGCTCACCCCTGTAATCTCAGCACTTTGG
GTGGCCAAGGCGGGCAGATGACTTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATGG
TGAAACCCGCTCTACTAAAAATACAAAATTAGTCAGGTGTGGTGGACGCTGTGATC
TCAATCTCAGCTACTCGGGAGGCTGAGGCAAGGAAATCACTTGAACCCAGGAGGTGTTGC
AGTGAACCAAGATCACACCACTGCACTCCAGCCTAGGCAACAGAGACTCTGTCTCAAAA
AAAAAAAAAAAAAAAA
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**Restriction Sites:**

Please inquire

**ACCN:**

NM\_153718

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_153718.2</a> , <a href="#">NP_714940.1</a>
<b>RefSeq Size:</b>	3277 bp
<b>RefSeq ORF:</b>	1569 bp
<b>Locus ID:</b>	23636
<b>UniProt ID:</b>	<a href="#">P37198</a>
<b>Cytogenetics:</b>	19q13.33
<b>Domains:</b>	Nsp1_C
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. The protein encoded by this gene is a member of the FG-repeat containing nucleoporins and is localized to the nuclear pore central plug. This protein associates with the importin alpha/beta complex which is involved in the import of proteins containing nuclear localization signals. Multiple transcript variants of this gene encode a single protein isoform. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All variants encode the same protein.</p>